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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/079,061
				Filing Date	2/20/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	
Sheet	1	of	4	Attorney Docket Number	SPLX.P0126

RELATED U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. Patent Document		Date of filing MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Related Application Data
		Number				
TD	1.	2002/0133798		12-06-2000	Steven Teig et al.	Present application is a CIP of 2002/0133798.
TD	2.	2002/0100007		12-06-2000	Steven Teig et al.	Present application is a CIP of 2002/0100007.
TD	3.	2002/0073390 S/N 09/737,210		12-13-2000	Steven Teig et al.	Continuation of parent 2002/0133798
TD	4.	Preliminary Amendment S/N 09/737,210		12-13-2000	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0073390 does not accurately reflect the claims of S/N 09/737,210.
TD	5.	S/N 09/737,220		12-13-2000	Steven Teig et al.	Continuation of parent 2002/0133798
TD	6.	S/N 09/737,245		12-13-2000	Steven Teig et al.	Continuation of parent 2002/0133798
TD	7.	S/N 09/739,460		12-15-2000	Steven Teig et al.	Continuation of parent 2002/0100007.
TD	8.	2002/0124231 S/N 09/739,580		12-15-2000	Steven Teig et al.	Continuation of parent 2002/0100007.
TD	9.	Preliminary Amendment S/N 09/739,580		12-15-2000	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0124231 does not accurately reflect the claims of S/N 09/739,580.
TD	10.	S/N 09/739,589		12-15-2000	Steven Teig et al.	Continuation of parent 2002/0100007.
TD	11.	S/N 09/742,171		12-19-2000	Steven Teig et al.	Continuation of parent 2002/0100007.
TD	12.	2003/0121015 S/N 09/745,067		12-19-2000	Steven Teig et al.	Continuation of parent 2002/0100007.
TD	13.	Preliminary Amendment S/N 09/745,067		12-19-2000	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0121015 does not accurately reflect the claims of S/N 09/745,067.
TD	14.	2002/0069397		01-13-2002	Steven Teig et al.	CIP of 2002/0100007 & 2002/0133798.
TD	15.	2002/0157075		02-20-2002	Steven Teig et al.	CIP of 2002/0100007 & 2002/0133798.

Examiner Signature	<i>M. Mado</i>	Date Considered	3/7/04
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				First Named Inventor	Steven Teig
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Sheet	2	of	4	Attorney Docket Number	SPLX.P0126

RELATED U.S. PATENT DOCUMENTS						
TD /	16.	2003/0088841 S/N 10/329,241		12-23-2002	Steven Teig et al.	CIP of 2002/0133798
TD /	17.	Preliminary Amendment S/N 10/329,241		12-23-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0088841 does not accurately reflect the claims of S/N 10/329,241.
TD /	18.	2003/0018947		12-07-2001	Steven Teig et al.	Application regarding related routing technology
TD /	19.	2002/0147958		10-19-2001	Steven Teig et al.	Application regarding related routing technology
TD /	20.	2003/0079193		12-07-2001	Steven Teig et al.	Application regarding related routing technology
TD /	21.	2003/0063614		01-04-2002	Steven Teig et al.	Application regarding related routing technology
TD /	22.	2003/0064559		01-04-2002	Steven Teig et al.	Application regarding related routing technology
TD	23.	2003/0063568		01-04-2002	Steven Teig et al.	Application regarding related routing technology
TD	24.	2003/0101428 S/N 10/040,915		01-05-2002	Steven Teig et al.	Application regarding related routing technology
TD	25.	Preliminary Amendment S/N 10/040,915		01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0101428 does not accurately reflect the claims of S/N 10/040,915.
TD	26.	2002/0166105 S/N 10/040,948		01-05-2002	Steven Teig et al.	Application regarding related routing technology
TD	27.	Preliminary Amendment S/N 10/040,948		01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0166105 does not accurately reflect the claims of S/N 10/040,948.
TD	28.	2003/0043827 S/N 10/040,953		01-05-2002	Steven Teig et al.	Application regarding related routing technology
TD	29.	Preliminary Amendment		01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0043827 does not

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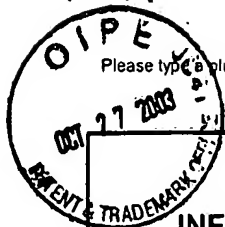
RELATED U.S. PATENT DOCUMENTS						
TD		S/N 10/040,953				accurately reflect the claims of S/N 10/040,953.
TD	30.	2003/0023943 S/N 10/040,954		01-05-2002	Steven Teig et al.	Application regarding related routing technology
TD	31.	Preliminary Amendment S/N 10/040,954		01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0023943 does not accurately reflect the claims of S/N 10/040,954.
TD	32.	2003/0066042 S/N 10/040,963		01-05-2002	Steven Teig et al.	Application regarding related routing technology
TD	33.	Preliminary Amendment S/N 10/040,963		01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0066042 does not accurately reflect the claims of S/N 10/040,963.
TD	34.	2002/0174412 S/N 10/041,942		01-07-2002	Steven Teig et al.	Application regarding related routing technology
TD	35.	Preliminary Amendment S/N 10/041,942		01-07-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0174412 does not accurately reflect the claims of S/N 10/041,942.
TD	36.	2003/0088844 S/N 10/041,957		01-07-2002	Steven Teig et al.	Application regarding related routing technology
TD	37.	Preliminary Amendment S/N 10/041,957		01-07-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0088844 does not accurately reflect the claims of S/N 10/041,957.
TD	38.	2002/0199165 S/N 10/046,864		01-13-2002	Steven Teig et al.	Application regarding related routing technology
TD	39.	Preliminary Amendment S/N 10/046,864		01-13-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0199165 does not accurately reflect the claims of S/N 10/046,864.
TD	40.	2003/0066043		01-13-2002	Steven Teig et al.	Application regarding related routing technology

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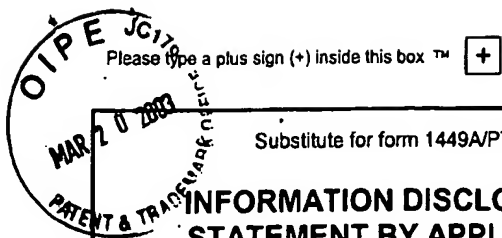
RELATED U.S. PATENT DOCUMENTS						
TD	41.	2003/0115566		01-13-2002	Steven Teig	Application regarding related routing technology
TD	42.	2003/0056187 S/N 10/047,982		01-14-2002	Steven Teig et al.	Application regarding related routing technology
TD	43.	Preliminary Amendment S/N 10/047,982		01-14-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0056187 does not accurately reflect the claims of S/N 10/047,982.
TD	44.	2003/0066044		01-13-2002	Steven Teig et al.	Application regarding related routing technology
TD	45.	2003/0066045		01-13-2002	Steven Teig et al.	Application regarding related routing technology
TD	46.	2003/0088845 S/N 10/047,978		01-13-2002	Steven Teig et al.	Application regarding related routing technology
TD	47.	Preliminary Amendment S/N 10/047,978		01-13-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0088845 does not accurately reflect the claims of S/N 10/047,978.

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U.S. PATENTS RELATED TO THE PRESENT APPLICATIONS						
Examiner's Initials	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Relation to Present Application
	1.	6,516,455	B1	Teig, et al.	02-04-03	CIP of parent application

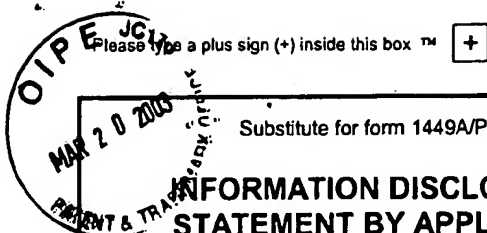
U.S. PATENT DOCUMENTS						
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TD	2.	2001/0003843	A1	Scepanovic et al.	06-14-01	
TD	3.	4,615,011		Linsker	09-30-86	
TD	4.	5,097,422		Corbin, II et al.	03-17-92	
TD	5.	5,532,934		Rostoker	07-12-96	
TD	6.	5,566,078		Ding et al.	10-15-96	
TD	7.	5,578,840		Scepanovic et al.	11-26-96	
TD	8.	5,634,093		Ashida et al.	05-27-97	
TD	9.	5,636,125		Rostoker et al.	06-03-97	
TD	10.	5,650,653		Rostoker et al.	07-22-97	
TD	11.	5,742,086		Rostoker et al.	04-21-98	
TD	12.	5,757,656		Hershberger et al.	05-26-98	
TD	13.	5,777,360		Rostoker et al.	07-07-98	
TD	14.	5,811,863		Rostoker et al.	09-22-98	
TD	15.	5,822,214		Rostoker et al.	10-13-98	
TD	16.	5,859,449		Kobayashi et al.	01-12-99	
TD	17.	5,898,597		Scepanovic et al.	04-27-99	
TD	18.	5,914,887		Scepanovic et al.	06-22-99	
TD	19.	5,973,376		Rostoker et al.	10-26-99	
TD	20.	6,035,108		Kikuchi	03-07-00	
TD	21.	6,058,254		Scepanovic et al.	05-02-00	
TD	22.	6,068,662		Scepanovic et al.	05-30-00	

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U.S. PATENTS RELATED TO THE PRESENT APPLICATIONS						
TD	23.	6,123,736		Pavisc et al.	09-26-00	
TD	24.	6,134,702		Scepanovic et al.	10-17-00	
TD	25.	6,155,725		Scepanovic et al.	12-05-00	
TD	26.	6,175,950		Scepanovic et al.	01-16-01	
TD	27.	6,216,252	B1	Dangelo et al.	04-10-01	
TD	28.	6,230,306	B1	Raspopovic et al.	05-08-01	
TD	29.	6,247,167	B1	Raspopovic et al.	06-12-01	
TD	30.	6,249,902	B1	Igusa et al.	06-19-01	
TD	31.	6,260,179	B1	Ohsawa et al.	07-10-01	
TD	32.	6,262,487	B1	Igarashi et al.	07-17-01	
TD	33.	6,289,495	B1	Raspopovic et al.	09-11-01	
TD	34.	6,301,686	B1	Kikuchi et al.	10-09-01	
TD	35.	6,385,758	B1	Kikuchi et al.	05-07-02	
TD	36.	6,401,234	B1	Alpert et al.	06-04-02	
TD	37.	6,405,358	B1	Nuber	06-11-02	
TD	38.	6,412,097	B1	Kikuchi et al.	06-25-02	
TD	39.	6,436,804	B2	Igarashi et al.	08-20-02	
TD	40.	6,463,575	B1	Takahashi	10-08-02	

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FOREIGN PATENT DOCUMENTS								
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		Office ²	Number ³	Kind Code (if known) ⁵				
TD	41.	JP	64-15947		Ouchi	01-19-89		

NON PATENT LITERATURE DOCUMENTS			
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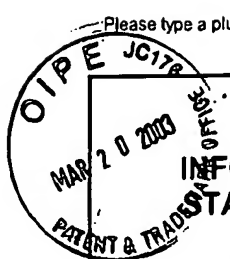
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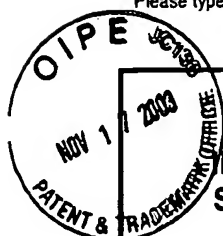
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TD	42.	A.H. Farrahi et al., Quality of EDA CAD Tools: Definitions, Metrics and Directions, Quality Electronic Design, 2000, Proceedings of the first International Symposium on March 2000, pp 395-405.			
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Applicant Number	10/079,061
				Filing Date	2/20/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	
Sheet	1	of	7	Attorney Docket Number	SPLX.P0126

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Date of Publication	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)	MM-DD-YYYY		
TD	1.	2001/0009031	A1	07-19-2001	Nitta et al.	
TD	2.	2002/0182844	A1	12-05-2002	Igarashi et al.	
TD	3.	2003/0025205	A1	02-06-2003	Shively	
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U.S. PATENT DOCUMENTS					
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FOREIGN PATENT DOCUMENTS								
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		Office ³	Number ⁴	Kind Cod (if known)				
TO	45.	JP	411296560	A	Matsumoto et al.	10-29-1999	with English translation of Abstract;	
TO	46.	JP	2000-82743	A	Igarashi et al.	03-21-2000	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
TO	47.	JP	H03-173471	A	Tawada et al.	07-26-1991	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
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Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 6	
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Sheet	7	of	7	Attorney Docket Number	SPLX.P0126

FOREIGN PATENT DOCUMENTS		
TD	78.	Takashima, Y. et al, Routability of FPGAs with Extremal Switch-Block Structures, IEICE Trans. Fundamentals, vol. E81-A, No. 5, May 1998, pp. 850-856.
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TD	82.	Wang, D., Novel Routing Schemes for IC Layout, Part I: Two-Layer Channel Routing, 28 th ACM/IEEE Automation Conference, 1991, pp. 49-53.
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Examiner Signature	<i>Shado</i>	Date Considered	3/7/04
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